IN THE CLAIMS:

Please cancel claims 28-31, 37, and 42-43 without prejudice, and amend the claims as follows:

- (Previously Presented) A method of processing a substrate comprising silicon, comprising:
 - depositing a layer comprising amorphous carbon on the substrate; and then

exposing the substrate to electromagnetic radiation having a wavelength between about 600 nm and about 1000 nm under conditions sufficient to heat the layer to a temperature of at least about 300°C.

- 2. (Original) The method of claim 1, wherein the exposing the substrate to electromagnetic radiation comprises laser annealing the substrate.
- (Original) The method of claim 2, wherein the laser annealing comprises focusing continuous wave electromagnetic radiation into a line extending across a surface of the substrate.
- (Original) The method of claim 1, wherein the electromagnetic radiation is provided by a lamp.
- (Original) The method of claim 1, wherein the layer comprising amorphous carbon is deposited by plasma enhanced chemical vapor deposition.
- (Original) The method of claim 1, further comprising removing the layer from the substrate after the exposing the substrate to electromagnetic radiation.
- 7. (Original) The method of claim 1, further comprising implanting dopant ions into the substrate before the depositing a layer comprising amorphous carbon.

- (Original) The method of claim 7, wherein the substrate is exposed to the electromagnetic radiation for a period of time sufficient to activate the implanted dopant ions.
- (Previously Presented) A method of processing a substrate comprising silicon, comprising:

depositing a layer comprising amorphous carbon and a dopant selected from the group consisting of nitrogen, boron, phosphorus, fluorine, and combinations thereof on the substrate; and then

exposing the substrate to electromagnetic radiation having a wavelength between about 600 nm and about 1000 nm under conditions sufficient to heat the layer to a temperature of at least about 300°C.

- (Original) The method of claim 9, wherein the exposing the substrate to electromagnetic radiation comprises laser annealing the substrate.
- 11. (Original) The method of claim 10, wherein the laser annealing comprises focusing continuous wave electromagnetic radiation into a line extending across a surface of the substrate.
- 12. (Original) The method of claim 9, wherein the electromagnetic radiation is provided by a lamp.
- 13. (Original) The method of claim 9, wherein the dopant is nitrogen.
- 14. (Original) The method of claim 9, wherein the layer is deposited at a temperature between about 250°C and about 450°C.
- 15. (Original) The method of claim 9, wherein the layer is deposited by plasma enhanced chemical vapor deposition.

- 16. (Original) The method of claim 9, further comprising removing the layer from the substrate after the exposing the substrate to electromagnetic radiation.
- 17. (Original) The method of claim 9, further comprising implanting dopant ions into the substrate before the depositing a layer comprising amorphous carbon.
- 18. (Original) The method of claim 17, wherein the substrate is exposed to the electromagnetic radiation for a period of time sufficient to activate the implanted dopant ions.
- 19-31. (Canceled)
- 32. (Currently Amended) [[The]] A substrate of claim 28 comprising silicon, processed by a method comprising:

depositing a layer comprising amorphous carbon[[,]] wherein the layer-further semprises and a dopant selected from the group consisting of nitrogen, boron, phosphorus, fluorine, and combinations thereof on the substrate; and then

exposing the substrate to electromagnetic radiation having a wavelength between about 600 nm and about 1000 nm under conditions sufficient to heat the layer to a temperature of at least about 300°C.

33. (Currently Amended) [[The]] A substrate of-claim-28 comprising silicon, processed by a method comprising:

depositing a layer comprising amorphous carbon[[,]] wherein the layer-further comprises and nitrogen on the substrate; and then

exposing the substrate to electromagnetic radiation having a wavelength between about 600 nm and about 1000 nm under conditions sufficient to heat the layer to a temperature of at least about 300°C.

34. (Canceled)

35. (Currently Amended) [[The]] A substrate of claim 28 comprising silicon, processed by a method comprising:

depositing a layer comprising amorphous carbon on the substrate; and then exposing the substrate to electromagnetic radiation having a wavelength between about 600 nm and about 1000 nm under conditions sufficient to heat the layer to a temperature of at least about 300°C, wherein the method further comprises implanting dopant ions into the substrate before the depositing a layer comprising amorphous carbon.

- 36. (Original) The substrate of claim 35, wherein the substrate is exposed to the electromagnetic radiation for a period of time sufficient to activate the implanted dopant ions.
- 37. (Canceled)
- 38. (Currently Amended) [[The]] A method of elaim 37 processing a substrate comprising silicon, comprising:

depositing a layer comprising amorphous carbon on the substrate; and then exposing the substrate to pulses of electromagnetic radiation under conditions sufficient to heat the layer to a temperature of at least about 300°C, wherein exposing the substrate to electromagnetic radiation heats a top surface layer of the substrate to a temperature between about 1100°C and about 1410°C.

39. (Currently Amended) [[The]] A method of elaim 37 processing a substrate comprising silicon, comprising:

depositing a layer comprising amorphous carbon[[,]] wherein the layer further comprises and a dopant selected from the group consisting of nitrogen, boron, phosphorus, fluorine, and combinations thereof on the substrate; and then

exposing the substrate to pulses of electromagnetic radiation under conditions sufficient to heat the layer to a temperature of at least about 300°C.

40. (Currently Amended) [[The]] A method of elaim-37 processing a substrate comprising silicon, comprising:

depositing a layer comprising amorphous carbon on the substrate; and then exposing the substrate to pulses of electromagnetic radiation under conditions sufficient to heat the layer to a temperature of at least about 300°C[[,]] further comprising; and then

removing the layer from the substrate after the exposing the substrate to the electromagnetic radiation.

41. (Currently Amended) [[The]] A method of elaim-37 processing a substrate comprising silicon, further comprising;

implanting dopant ions into the substrate before—the depositing a layer comprising amorphous carbon; and then

depositing a layer comprising amorphous carbon on the substrate; and then exposing the substrate to pulses of electromagnetic radiation under conditions sufficient to heat the layer to a temperature of at least about 300°C.

42-43. (Canceled)

44. (Previously Presented) [[The]] A method of elaim 42 processing a substrate comprising silicon, comprising:

depositing a layer comprising amorphous carbon on the substrate; and then exposing the substrate to electromagnetic radiation provided by a lamp under conditions sufficient to heat the layer to a temperature of at least about 300°C, wherein exposing the substrate to electromagnetic radiation heats a top surface layer of the substrate to a temperature between about 1100°C and about 1410°C.

45. (Previously Presented) [[The]] A method of elaim-42 processing a substrate comprising silicon, comprising:

depositing a layer comprising amorphous carbon and[[,]] wherein the layer further comprises a dopant selected from the group consisting of nitrogen, boron, phosphorus, fluorine, and combinations thereof on the substrate; and then

exposing the substrate to electromagnetic radiation provided by a lamp under conditions sufficient to heat the layer to a temperature of at least about 300°C.

46. (Previously Presented) [[The]] A method of elaim 42 processing a substrate comprising silicon, further comprising:

depositing a layer comprising amorphous carbon on the substrate; and then exposing the substrate to electromagnetic radiation provided by a lamp under conditions sufficient to heat the layer to a temperature of at least about 300°C; and removing the layer from the substrate after the exposing the substrate to the electromagnetic radiation.